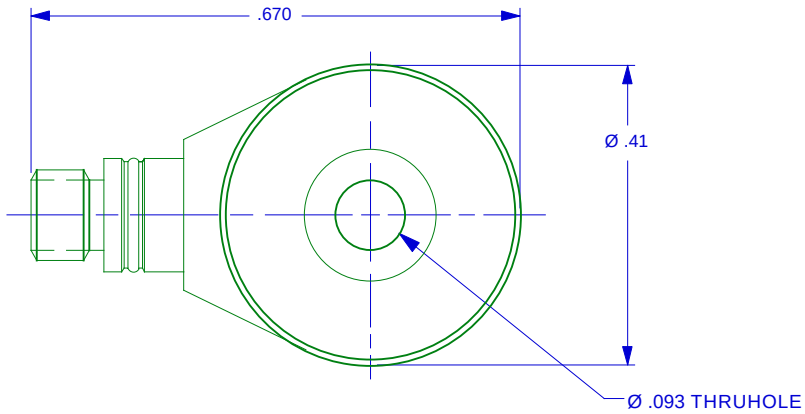
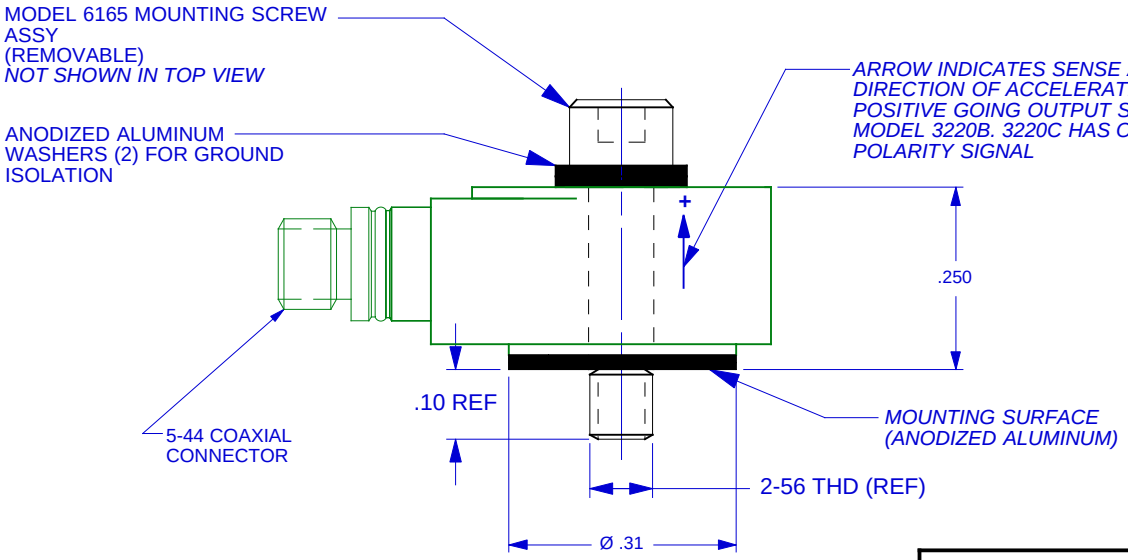



MODEL 6165 MOUNTING SCREW ASSY (REMOVABLE)
NOT SHOWN IN TOP VIEW
ANODIZED ALUMINUM WASHERS (2) FOR GROUND ISOLATION
ARROW INDICATES SENSE AND DIRECTION OF ACCELERATION FOR POSITIVE GOING OUTPUT SIGNAL FOR MODEL 3220B. 3220C HAS OPPOSITE POLARITY SIGNAL
+
.250
.10 REF
5-44 COAXIAL CONNECTOR
MOUNTING SURFACE (ANODIZED ALUMINUM)
2-56 THD (REF)
Ø .31

PORT PREPARATION

1) PREPARE (OR SELECT) A FLAT MOUNTING SURFACE OVER A MINIMUM .32 DIAMETER. SURFACE SHOULD BE FLAT TO .001 TIR FOR BEST HIGH FREQUENCY RESPONSE.
2) AT THE CENTER, DRILL #50 (Ø .070) X .20 DEEP.
3) TAP #2-56 UNC-2B X .125 MIN DEPTH.
4) CLEAN THE AREA CAREFULLY AFTER MACHINING TO REMOVE ALL CHIPS AND CUTTING OILS.

1) WEIGHT: 4 GRAMS
2) MATERIAL: 316L STAINLESS STEEL

ALL PART NUMBER LETTERSUFFIXES ARE TOBE INTERPRETED ASFOLLOWS:
I.E. - 107-0000-01(X)

M - MACHINED **ONLY** (UNPLATED)
P - PLATED/PAINTED
H - HEAT TREATED
G - MATERIAL HAS BEEN GRAINED
S - MATERIAL HAS BEEN SAWCUT
E - ENVIRONMENTAL TEST

EXCEPT AS OTHERWISE NOTED

ALL DIMENSIONS IN INCHES
TOLERANCE: .XXX = ± .XX= ±

SURFACE FINISH EXCEPT AS NOTED √

BREAK EDGES TO DEBURR RADIUS OR CHAMFER

△ THESE DIAS ⊙ TO T.I.R.

FILLETS - MAX RAD.

DYTRAN INSTRUMENTS, INC. CHATSWORTH, CA.

SCALE 4X	REV -	DATE -	ECN -			
DATE 4/4/96	PART NO.					
DRAWN N.C.	CHECKED D.Z.	MAT'L				
APPROVED	NEXT ASSEMBLY	USED ON MODEL 3220B & C				

TITLE
OUTLINE/INSTALLATION DRAWING
MODELS 3220B & 3220C

DWG NO. **127-3220B**

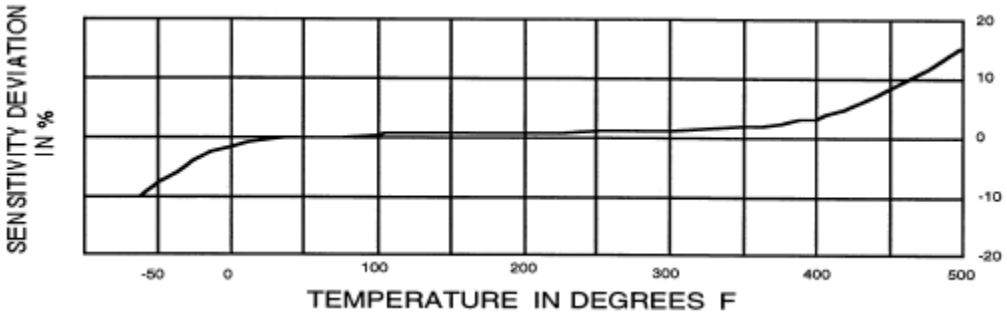
SHEET OF 1

Dynamic Transducers and Systems
21592 Marilla St. • Chatsworth, CA 91311 • Phone 818-700-7818
www.dytran.com • e-mail: info@dytran.com

SPECIFICATIONS MODEL 3220C MINIATURE CHARGE MODE ACCELEROMETER

SPECIFICATION	VALUE	UNITS
RANGE F.S.	500	G
SENSITIVITY, +/- 20 % [1]	1.5	pC/G
CAPACITANCE, NOM	835	pF
NATURAL FREQUENCY, MOUNTED, NOM.	35	kHz
FREQUENCY RESPONSE, +/- 5% (+/- 15%)	2 to 5,000 (1 to 10,000)	Hz
LINEARITY	2	%FS
TRANSVERSE SENSITIVITY, MAX	5	%
OPERATING TEMPERATURE RANGE	-60 to +500	DEG F
THERMAL COEFFICIENT OF SENSITIVITY	SEE GRAPH BELOW	
MAXIMUM VIBRATION	+/- 1000	G
MAXIMUM SHOCK	2000	G, PEAK
SIZE, DIA X HEIGHT (SEE DWG 127-3220)	.375 X .245	IN
WEIGHT	4.0	GRAMS
CONNECTOR, RADIALLY MOUNTED	5-44	COAXIAL
MOUNTING SCREW, INSULATED (SUPPLIED)	2-56 X .437 LONG	SS
CASE MATERIAL	300 SERIES STAINLESS STEEL	
SEAL	HERMETIC, WELDED/GLASS TO METAL	

SENSITIVITY VS. TEMPERATURE:



ACCESSORIES PROVIDED: (1) MODEL 6165 MOUNTING SCREW ASSEMBLY.